

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A biosensor comprising:
a support substrate,
an electrically conductive coating positioned on the support substrate, the coating being formed to define electrodes and a bar code pattern, wherein there is sufficient contrast between the conductive coating and the substrate such that the bar code pattern is optically discernible from the substrate in order to identify the bar code pattern, and
at least one reagent positioned on at least one electrode.
2. (Cancelled).
3. (Original) The biosensor of claim 1 wherein the conductive coating is gold.
4. (Cancelled).
5. (Currently amended) The biosensor of claim 1 further comprising a second electrically conductive coating positioned on the code pattern.
6. (Currently amended) The biosensor of claim 1 wherein the code pattern is electrically discernible from the substrate in order to identify the code pattern.
7. (Original) The biosensor of claim 1 wherein the code pattern includes recesses formed in the conductive coating.
8. (Original) The biosensor of claim 1 wherein the support substrate includes opposite first and second ends and the code pattern is positioned adjacent to the second end.
9. (Original) The biosensor of claim 1 further comprising a cover substrate extending across at least a portion of the electrodes.
10. (Original) The biosensor of claim 1 wherein code pattern includes pads that are spaced-apart from the surrounding electrically conductive coating.
11. (Original) The biosensor of claim 10 wherein the pads are isolated from one another.
12. (Original) The biosensor of claim 10 wherein the pads are interconnected.
13. (Currently amended) A biosensor comprising:
a support substrate,
an electrically conductive coating positioned on the support substrate, the coating being formed to define electrodes and a bar code pattern, wherein there is sufficient

contrast between the conductive coating and the substrate such that the code pattern is optically discernible from the substrate in order to identify the bar code pattern, and

a cover cooperating with the support substrate to define a channel and at least a portion of the electrodes are positioned in the channel.

14. (Cancelled).

15. (Currently amended) The biosensor of claim 13 further comprising a second electrically ~~conductive~~ conductive coating positioned on the code pattern.

16. (Currently amended) The biosensor of claim 13 wherein the code pattern is electrically discernible from the substrate in order to identify the bar code pattern.

17. (Original) The biosensor of claim 13 wherein the support substrate includes opposite first and second ends and the code pattern is positioned adjacent to the second end.

18. (Original) The biosensor of claim 17 wherein the electrodes cooperate to define an array positioned adjacent to the first end.

19. (Original) The biosensor of claim 18 wherein the channel extends from the first end to the array.

20. (Cancelled).

21. (Currently amended) The biosensor of claim 20 13 wherein the conductive coating is gold.

22. (Original) The biosensor of claim 13 wherein code pattern includes pads that are spaced-apart from the surrounding electrically conductive coating.

23. (Original) The biosensor of claim 22 wherein the pads are isolated from one another.

24. (Original) The biosensor of claim 22 wherein the pads are interconnected.

Claims 25-29 (Cancelled).

30. (Currently amended) A biosensor comprising:
a support substrate,

an electrically conductive coating positioned on the support substrate, the coating being formed to define electrodes and means for identifying the biosensor, wherein there is sufficient contrast between the conductive coating and the substrate such that the identifying means for identifying the biosensor is optically discernible from the substrate

in order to identify the means for identifying the biosensor, wherein the means for identifying the biosensor is a bar code.

31. (Original) The biosensor of claim 30 further comprising a cover that cooperates with the support substrate to define a channel and at least a portion of the electrodes are positioned in the channel.

32. (Cancelled).